

ABSTRACT

A synchronization signal detection apparatus and a
synchronization signal detection method for improving the reading
5 performance of an input signal after the dissolution of a defect state or the
like.

Under a predetermined condition after no synchronization signals
from an input signal have been detected in predetermined detection
periods and the interpolation of synchronization signals has been started,
10 the judgment about whether each of the synchronization signals detected
from the input signal continuously is detected at normal timing or not is
performed. Then, according to the judgment result, the
resynchronization operation of the synchronization signals detected from
the input signal and reproducing synchronization signals is performed.

15 Thereby, the state in which the synchronization signals having
different timing from originally expected timing are used owing to the
interpolation of synchronization signals can be immediately dissolved.